No 1st & Final

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

AEE/YNK SUB. DN.
SBR Date: 30/11/18 2017
Date: 9/5/17

Division: BBMP / YNK Sub-Division: **Yelahanka Sub – Division.**

YNK-DBR No. 29
Date 09.05.17

Bill Received No. Dated..... Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 002-17-000050.**

Schedule Docket No. Head of Account: Est.Cost: **40.00** Lakhs B.R.No. :

Name of Work : Providing Asphalting to Nagenahalli main and cross roads in ward No-02 of yelahanka Sub Division.

Name of Contractor and Full Address: **Technical Manager (West) KRIDL, BBMP, Bangalore.**

Reference to Agreement No. **EE/YNK.D/ W.O/136/2017-18.** Date: 31-03-2017.

Certified that the measurements were taken by me on .....and recorded of Pages 46329 to 46338 of measurement Book No. 46HD.... and that the work is satisfactorily executed.

Officer-in-charge of work

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Contractor

Certified that the measurements were taken by me on 8/5/17 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst. Sub-Division Officer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	
	b) Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted -	

1st & Final 3890270:00
FSD 194514:00
IT 77806:00
KST 155611:00
LC 38903:00
CBF 3890:00
LR 43677:00
T.D 514401:00
Net 3375869:00

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

Dated..... Dated.....
Paid by me Cheque No.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Audited & Admitted for Rs. 3890270:00
Stamp
3375869:00 by Cheque
and Rs. 514401:00 by adjustment

Executive Engineer

AEE
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP

sl no	Description of work	Unit
1	Removing and refixing Stone slabs of drains and pointing in CM (1:3)	Sqm
2	KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum.
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix1:3.6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No. KBS 4.1, 4.2	Cum.
4	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200	Cum.
5	KSRB 4.9.2 Providing T M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500	Tonne
6	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-	Sqm
7	KSRRB M300-14 Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301	Cum.
8	KSRRB M400-6.2 Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material, spreading in uniform layers with motor grader on prepared surface mixing by mix in place method by rotavator at OMC, and compacting with vibratory power roller to achieve the desired density, complete as per specifications. B. Mix in place Method. For Grading- II Material	Cum.
9	KSRRB M600-1 Construction of dry lean cement concrete mix CC 1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383,) aggregate cement ratio not to exceed 15:1,aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601	Cum.
10	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M30(at 360 kg per cum coarse aggregate @ 0.69 cum and fine aggregate @0.46 cum) , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specification	Cum.
11	KSRRB 500-2 Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5	Sqm
12	KSRRB 500-7 Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5	Sqm
13	KSRRB M500- 17 Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and filler, transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500-10 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.507	Cum.
14	KSRRB M500- 19 Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509	Cum.
15	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 4kms.	Cum.
16	KSRRB M800-13 Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm
		TOTAL

Certificates:

1 The above work is done satisfactorily and complete in all respect.
2 There is no department Material issue for the above work.
3 This works comes under BBMP Limit.

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
–	–	182.07	80.56	14668.00	182.07	14668.00	
–	–	474.41	86.92	41236.00	474.41	41236.00	
–	–	46.58	5348.76	249145.00	46.58	249145.00	
–	–	157.95	11032.48	1742580.00	157.95	1742580.00	
–	–	9.47	59413.00	562641.00	9.47	562641.00	
–	–	32.13	1757.00	56452.00	32.13	56452.00	
–	–	148.00	48.76	7216.00	148.00	7216.00	
–	–	55.50	1492.48	82833.00	55.50	82833.00	
–	–	37.00	3986.66	147506.00	37.00	147506.00	
–	–	55.50	6217.96	345097.00	55.50	345097.00	
–	–	881.35	3.18	2803.00	881.35	2803.00	
–	–	881.35	11.66	10277.00	881.35	10277.00	
–	–	6.07	6435.26	39062.00	6.07	39062.00	
–	–	26.44	7270.54	192233.00	26.44	192233.00	
–	–	623.13	100.00	62313.00	623.13	62313.00	
–	–	23.94	542.72	12993.00	23.94	12993.00	
				3569055		3569055	
9% KRIDL Service Charge				321215		321215	
Cost towards preparation of PMC/Qc				35691		35691	
Cost of plastic @ 8% bitumen qty for BC		322.16 x27		8698		8698	
Grand tota l				3934659		3934659	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

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